

Product Name: Roquefortine C

Product Number: R034

CAS Number: 58735-64-1

Molecular Formula: $C_{22}H_{23}N_5O_2$

Molecular Weight: 389.5

Appearance: White Lyophilisate

Storage Conditions: -20°C

Description: Roquefortine C is a potent tremorgenic mycotoxin originally isolated from *Penicillium roqueforti* in 1975 in Japan. Parallel research by Scott and colleagues lead to the structure elucidation of roquefortine C as an unusual diketopiperazine formed by coupling a prenylated tryptophan and histidine. Roquefortine C was subsequently found to be produced by a diverse range of fungi, most notably *Penicillium* species. Roquefortine is an important mycotoxin as low levels can be found in foodstuffs.

Roquefortine C is soluble in ethanol, methanol, DMF or DMSO.

References: Identification of roquefortine C produced by *Penicillium roqueforti*. Ohmomo S. et al. Agri. Biol. Chem. 1977, 41, 2097.

Roquefortine and isofumigaclavine A, metabolites from *Penicillium roqueforti*. Scott P. M. et al. Experientia 1976, 32, 140.